



Agilent Technologies

## INVENTION DISCLOSURE

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PDND 10010011 DATE RCVD

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Instructions: The information contained in this document is COMPANY CONFIDENTIAL and may not be disclosed to others without prior authorization. Submit this disclosure to the Agilent Technologies Legal Department as soon as possible. No patent protection is possible until a patent application is authorized, prepared, and submitted to the Government.

## Descriptive Title of Invention:

Saving feature extraction visual results for instant reloading.

Name of Project: PAMELA

Product Name or Number: Feature Extraction

Was a description of the invention published, or are you planning to publish? If so, the date(s) and publication(s): No

Was a product including the invention announced, offered for sale, sold, or is such activity proposed? If so, the date(s) and location(s): No

Was the invention disclosed to anyone outside of AGILENT TECHNOLOGIES, or will such disclosure occur? If so, the date(s) and name(s): No

If any of the above situations will occur within 3 months, call your IP attorney or the Legal Department now at 1-553-3061 or 408-553-3061.

Was the invention described in a lab book or other record? If so, please identify (lab book #, etc.): No

Was the invention built or tested? If so, the date: Yes. It was originally prototyped on or about J. A working version should be released internally and to TAP customers in the next few weeks.


Was this invention made under a government contract? If so, the agency and contract number: No

## D. Description of Invention:

To support high throughput feature extraction, it is important to be able to quickly review feature extraction results. Current off the shelf and custom software save the feature extraction results to databases, binary files, or tabbed text. They do not store the visual results; they have no need because their software is interactive and you can review it before saving the results. To quickly review the results of a whole carousel of feature extracted data, it takes too long to regenerate feature-extracted data using the input parameters or the output files. The solution is to save the feature extraction visual data. This solution can be further enhanced by also saving links (feature number) to the output data. The visual data is saved by storing the definition of each shape drawn on the bitmap display of the image data. This is the same array of structures that are used internally to draw the feature extraction results. This results in very fast loading time that makes it feasible to review a whole carousel of feature extraction data.

Signature of Inventor(s): I (we) hereby submit this disclosure on this date:

Employee No.	Name	Signature	Telex	Mailstop	Entity & Lab Name
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Signature of Witness(es): <i>(Please try to obtain the signature of the person(s) to whom invention was first disclosed.)</i>							
The invention was first explained to, and understood by, me (us) on this date: {							
Full Name		Signature				Date of Signature	
Full Name		Signature				Date of Signature	
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